

What is claimed is:

1           1.     A wireless communication terminal comprising:  
2           wireless communication circuitry for establishing a wireless  
3     communication channel to a network;  
4           an internal power source and an external power source;  
5           control circuitry for energizing the wireless communication terminal  
6     with said external power source and energizing the wireless communication  
7     terminal with said internal power source when said external power source is  
8     faulty; and  
9           monitor circuitry for monitoring said external power source and  
10     sending a message from said wireless communication circuitry to said  
11     network when said communication terminal is operating with said internal  
12     power source.

1           2.     The wireless communication terminal of claim 1, wherein said  
2     monitor circuitry transmits said message when no call is in progress and  
3     transmits a second message from said wireless communication circuitry to  
4     said network when said communication terminal is operating with said  
5     internal power source when a call is in progress.

1           3.     The wireless communication terminal of claim 1, wherein said  
2     message indicates that the internal power source is producing a voltage  
3     which is lower than a critical level.

1           4.     The wireless communication terminal of claim 2, wherein said  
2     second message indicates that the internal power source is producing a

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3 voltage which is lower than a critical level.

1           5.     The wireless communication terminal of claim 2, wherein said  
2 wireless communication channel is a fixed wireless access (FWA) channel.

1           6.     The wireless communication terminal of claim 5, wherein said  
2 messages are sent in a data format specified by ANSI/(American National  
3 Standard Institute)/TIA (Telecommunications Industry Association)/EIA  
4 (Electronic Industries Alliance)-95B standard.

1           7.     A wireless communication network comprising:  
2 a base station;  
3 a base station controller connected to said base station;  
4 a wireless communication terminal including:  
5                 wireless communication circuitry for establishing a wireless  
6 communication channel to said base station;  
7                 an internal power source and an external power source;  
8                 control circuitry for energizing the wireless communication  
9 terminal with said external power source and energizing the wireless  
10 communication terminal with said internal power source when said external  
11 power source is faulty; and  
12                 monitor circuitry for monitoring said external power source and  
13 sending a message from said wireless communication circuitry to said base  
14 station controller via said base station when said communication terminal is  
15 operating with said internal power source.

1           8.     The wireless communication network of claim 7, wherein said

2 monitor circuitry transmits said message when no call is in progress and  
3 transmits a second message from said wireless communication circuitry to  
4 said base station controller when said communication terminal is operating  
5 with said internal power source when a call is in progress.

1 9. The wireless communication network of claim 7, wherein said  
2 message indicates that the internal power source is producing a voltage  
3 which is lower than a critical level.

1 10. The wireless communication network of claim 8, wherein said  
2 second message indicates that the internal power source is producing a  
3 voltage which is lower than a critical level.

1 11. The wireless communication network of claim 8, wherein said  
2 wireless communication channel is a fixed wireless access (FWA) channel.

1 12. The wireless communication network of claim 11, wherein said  
2 message is sent in a data format specified by ANSI/(American National  
3 Standard Institute)/TIA (Telecommunications Industry Association)/EIA  
4 (Electronic Industries Alliance)-95B standard.

1 13. A method of controlling a wireless communication terminal,  
2 wherein the terminal comprises a wireless communication circuitry for  
3 establishing a wireless communication channel to a network, an internal  
4 power source and an external power source, the method comprising the steps  
5 of:

6 a) energizing the wireless communication terminal with said

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7 external power source and energizing the wireless communication terminal  
8 with said internal power source when said external power source is faulty;  
9 b) monitoring said external power source; and  
10 c) sending a message from said wireless communication circuitry  
11 to said network when said communication terminal is operating with said  
12 internal power source.

1 14. The method of claim 13, wherein the step (c) includes the steps  
2 of sending said message when no call is in progress and sending a second  
3 message from said wireless communication circuitry to said network when  
4 said communication terminal is operating with said internal power source  
5 when a call is in progress.

1 15. The method of claim 13, wherein said message indicates that the  
2 internal power source is producing a voltage which is lower than a critical  
3 level.

1 16. The method of claim 14, wherein said second message indicates  
2 that the internal power source is producing a voltage which is lower than a  
3 critical level.

1 17. The method of claim 14, wherein said wireless communication  
2 channel is a fixed wireless access (FWA) channel.

1 18. The method of claim 17, wherein said messages are sent in a  
2 data format specified by ANSI/(American National Standard Institute)/TIA  
3 (Telecommunications Industry Association)/EIA (Electronic Industries  
4 Alliance)-95B standard.

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